

Information Assurance Technology Analysis Center (IATAC)

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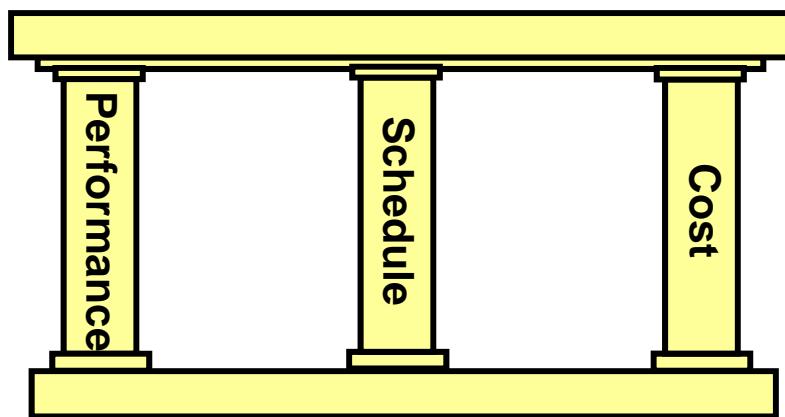
Information for the Defense Community 

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IATAC Background

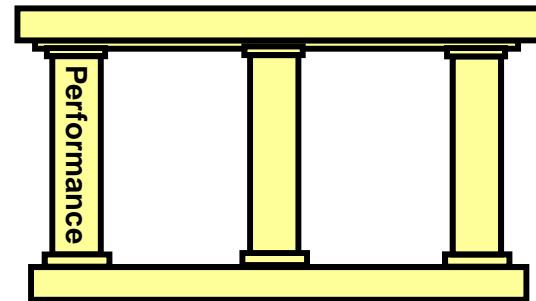
- Providing the DoD a central point of access for Information Assurance (IA) since 1996
- Identified by DAIG as an IA Center of Excellence
- IA holdings available for searching and downloading
- Lessons learned
- Processed significant number of Delivery Orders – many for PEO/PMs
- Present to NDU and DAU regularly
- Can do work up to the TS/SCI level





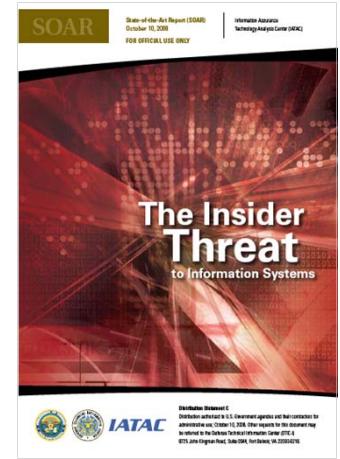
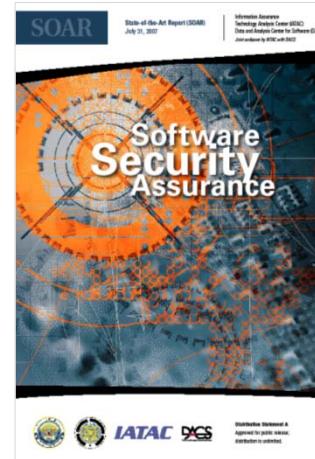
Providing Information

- PEO/PMs need readily available targeted information, and they need it at minimal/no cost
- We can provide you information through a variety of resources:
 - Web (<http://iac.dtic.mil/iatac>)
 - IA newsletter
 - State-of-the-Art Reports (SOARs)
 - Critical Review Technology Assessments (CR/TAs)
 - Tools Reports
 - Total Electronic Migration System (TEMS)
 - Subject Matter Experts (SMEs)
 - Technical Inquiries
 - IA Digest
 - IA/IO Events Scheduler
 - Research Update



Our latest SOAR is
Software Security
Assurance

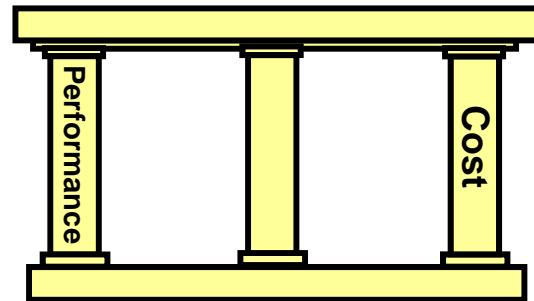
*Insider Threat to
Information Systems at
NSA for publishing 10
Oct 08*





Total Electronic Migration System (TEMS)

- Google like features accessible on any Web browser on any operating system
- Search, retrieve, and use STI from all 10 functional IAC domains
- Search individual IACs as “libraries”
- Utilize Boolean searches to locate information
- Perform pattern search for a general subject area
- Perform a concept search on a single term
- Search full metadata and document text
- Save queries
- View, edit, and export bibliographies in various formats



248K+ documents available In TEMS

1M+ Metadata records

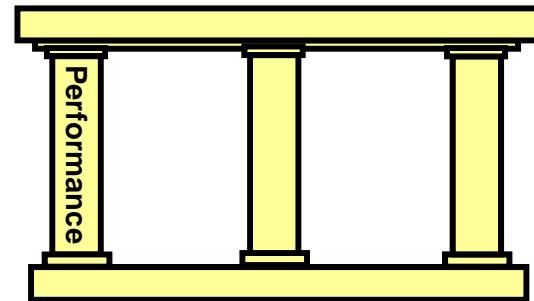
STI from government, industry and academia

Register at <https://tems-iac.dtic.mil>



IA Acquisition Strategy

- All PEO/PMs must follow a required set of IA acquisition instructions
 - Clinger-Cohen Act
 - DoDI 8580.1
 - DoDD 8500 series
- IATAC has SMEs with knowledge of IA acquisition requirements & access to resources to enhance your program
- IATAC provided research & development, recommendations, and SMEs for the development of Federal & DoD IA directives, instructions & guides
 - DoDD 8500.1 IA
 - DoDD 8500.2 IA Implementation
 - DoDI 8510.01 DIACAP Policy
 - Over 46 NIST Special Publications (800 series)



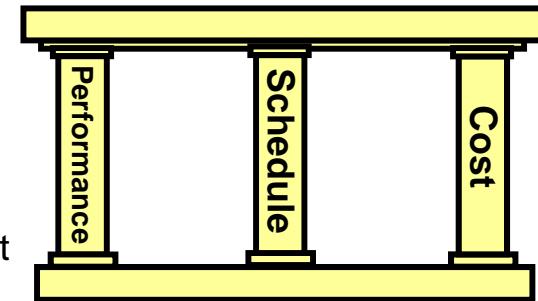
PEO/PMs are responsible for a program IA Strategy:

- IA within their program
- Funding resources for IA
- Dutiful implementation of IA
- <https://extranet.tias.osd.mil/programs>



Certification & Accreditation

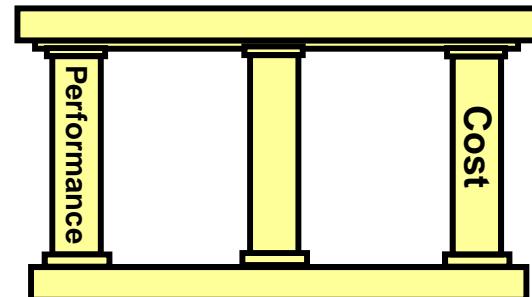
- Tool kit of resources to help the PEO/PMs achieve successful certification and accreditation
- Targeted recommendations to the development and writing of DIACAP policy for the ASD(NII)/DoD CIO
 - IATAC developed critical DIACAP concepts including impact codes and severity categories, type accreditations, inheritance, and IA control validation procedures
- Developed the web-based tool, the DIACAP Knowledge Service
 - Knowledge Service contains an online repository of authorized IA control sets for the GIG and a library of tools to assist in the execution of DIACAP
- Developed automated C&A management tool, Enterprise Mission Assurance Support Service (eMASS)
 - A joint research initiative of OSD(NII), OSD(AT&L), and DLA, eMASS reengineers and automates a broad range of IA functions to deliver a comprehensive, fully integrated IA management capability at the enterprise level





Training

- Provide PEO/PMs specialized training
- Developed the Training Database for the JTF that examined every position and the essential training required.
 - This effort has been a precursor to the DoDD 8570, which specifies training and certification requirements for every IA professional and positioned the JTF in front of the requirement, saving it time and resources.
- Provided the IA/NetOps curriculum to DoD students since 2004.

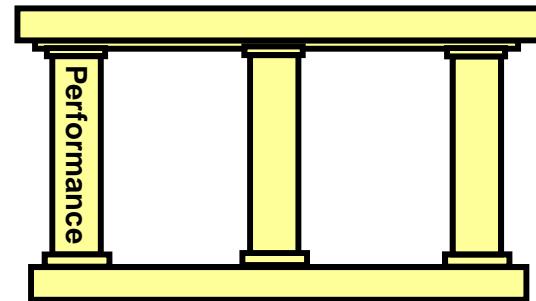


Over the past 12 months, IATAC has held specialized training classes, and has trained many individuals



Cutting Edge R&D

- Developed the Automated Security Self-Evaluation Tool (ASSET)
 - Identified by OMB as 1 of top 3 IT security accomplishments to automate NIST's Security Self-Assessment Guide for IT
- Developed a proof of concept demonstration to showcase the Computer Network Defense (CND) data standards functionality in a net-centric environment
 - Standards being adopted across DoD and Federal Government
- Provided commercial-off-the-shelf (COTS) supportability strategy for MILSATCOM terminal program offices
 - Identified IA requirements for current and future COTS routers



- Providing IA research and analysis for tactical switching network Joint Concept Technology Demonstration (JCTD) for SPAWAR and PEO C4I & Space

IATAC does your work everyday

Information for the Defense Community

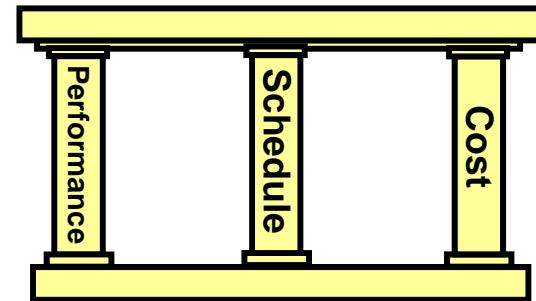




Technical Inquiries

- PEO/PMs have specific tough IA questions that need to be addressed
- IATAC can answer your toughest time sensitive IA questions
 - All you need to do is be a DTIC registered user

- | | |
|-------------|--|
| 0-4 hours | <ul style="list-style-type: none">• Basic Inquiry (<u>free</u>) - Answer IA questions |
| 5-25 hours | <ul style="list-style-type: none">• Extended Inquiry - Search information sources, conduct analysis, determine analytical techniques to meet inquiries |
| 24-40 hours | <ul style="list-style-type: none">• Search and Summary - Identify literature specific to the inquiry and provide copies of the most pertinent documents |
| 40-80 hours | <ul style="list-style-type: none">• Review and Analysis - Provide in-depth analysis and synthesis of relevant literature and laboratory research on a particular subject |



"The US Dept of Energy, Office of Intelligence and Counterintelligence is deeply indebted and very appreciative to IATAC."

Mr. Rich Kaplan, Department of Energy

In response to IATAC's answer to a question regarding the mandated conversion of IPV4 to IPV6

"Thanks very much, this package looks great. I appreciate the hard work!"

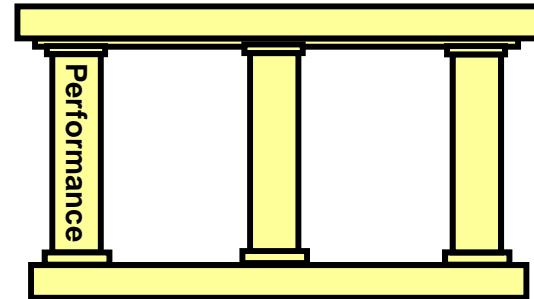
Ms. Patti Benner, Office of the Deputy CIO, ASD/NII

In response to IATAC's answer to a request to identify the top think tanks in the cyber community



IATAC SME Program

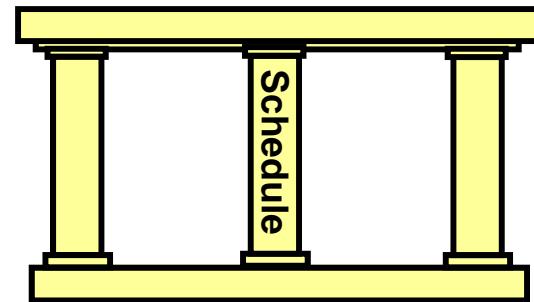
- Comprised of diverse group of IA and R&D professionals
- Members are part of the Government (to include DoD), Industry, and Academic communities
- Utilized as resources for technical inquiries and STI
- SME's have expertise in the following areas of Information Assurance:
 - DoD IA Strategy
 - DIACAP/eMASS
 - System Security Engineering
 - IA Requirements
 - IA Architectural Design
 - Computer Network Defense
 - IA Emerging Technologies Analysis
 - Information Warfare
- Hacking
- Information Security
- Wireless Security
- Information Operations
- Security Tools
- Cybercrime
- Malicious Code
- Standards and Guidance





IATAC Contract

- PEO/PMs need a contract that is flexible
- The IATAC contract was competitively awarded
 - This is not a sole source contract
- Competitive win allows for targeted Technical Area Tasks that brings the focused R&D skills to PEO/PM programs
- TATs can have up to 3-year Periods of Performance (POPs)
 - Reduces frequency of contractual actions saving time and resources
 - Facilitates a more measured approach to the work performed
- Subscription Accounts are available
 - Short duration, smaller funding level, specific focus
- Contract is R&D deliverables (STI) based
 - Allows for information sharing



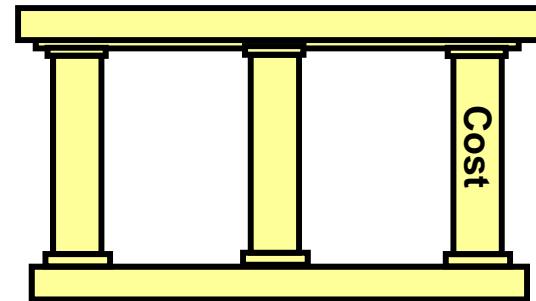
Sample work performed under a TAT:
IATAC performed research and analysis for the development of IA architectures for the Air Force's KC-10 aerial refueling aircraft onboard voice and data communication systems and navigation interfaces

- First time IA architectures had been developed for the KC-10



IATAC Contract

- Incremental funding allowed ... does not have to be fully funded upfront
 - Flexibility in funding in a resource constrained environment
 - TATs are executed as cost and schedule permits
- Can have funding across fiscal years (situational)



IATAC provided IA analysis for 2 prototype TSw/Network Management Systems (eNMS Increment I to Norfolk/Honolulu). IATAC successfully met cost, schedule, performance objectives for the USN Shore Modernization Strategy.



IATAC ... a partnership for IA success

- What can IATAC do for you?
 - Enhance your performance
 - Access information
 - Assist with meeting policy
 - Provide in-depth IA analysis
 - Keep your schedule
 - Provide cost-conscious solutions
- What can you do for IATAC that will mutually benefit all?
 - Register with DTIC and become an authorized user
 - Register with IATAC and become a SME
 - Submit your information for inclusion into TEMS and IATAC's holding
 - Submit technical articles for publication in the *IAnewsletter*
 - Become knowledgeable of IATAC's products and services and use them

Visit us on the Web:

<http://iac.dtic.mil/iatac>

Email us: iatac@dtic.mil

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